**UNIVERSITY OF MARY WASHINGTON – EXPEDITED COURSE CHANGE PROPOSAL**

Submit this form electronically, beginning with the first required level of review (department or college level). Each level of review passes the form and any attachments to the next level when the action is approved.

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<tr>
<td><strong>Department/Discipline(s) and Course Number(s):</strong> CPSC 414</td>
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<tr>
<td><strong>Course Title:</strong> Network Principles and Applications</td>
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**Type of change (check all applicable):**
- Number* _____
- Title_____
- Credits_____  
- Description____  
- Prerequisites _X_  
- Deletion_____
- Cross list**____

*This course number must be approved by the Office of the Registrar before the proposal is submitted.

**To cross list courses between departments/colleges, there should be two cover sheets submitted with the proposal – one by the chair of each department with signatures from the relevant College Curriculum Committee Chair.

**Effective Date: FALL Semester, Year _Fall 2016_**

<table>
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<tr>
<th>Current Catalog Entry</th>
<th>Proposed Catalog Entry</th>
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| 414 – Network Principles and Applications (3)  
Prerequisite: CPSC 220. This course provides an introduction to the basic principles of networking. Topics covered in the course include: network topologies, protocols, the OSI Model, methods of data transmission, error detection and correction, TCP/IP, network security and other topics as time permits. This course is theoretical and concept-oriented rather than consisting of the details of specific network packages. | 414 – Network Principles and Applications (3)  
Prerequisite: CPSC 220 and CPSC 225. This course provides an introduction to the basic principles of networking. Topics covered in the course include: network topologies, protocols, the OSI Model, methods of data transmission, error detection and correction, TCP/IP, network security and other topics as time permits. This course is theoretical and concept-oriented rather than consisting of the details of specific network packages. |

**JUSTIFICATION** (including impact on majors, minors, concentrations, and general education courses within the University curriculum; attach additional pages if required)

All of the programming and most of the hands-on networking exercises in CPSC 414 are done in a Unix environment. Since students who take CPSC 220 (the only current prerequisite) are not necessarily exposed to working in the Unix environment, it is important that students receive this exposure before taking CPSC 414. Currently the CPSC 414 instructor would need to cover this material before getting into the main course material, taking time away from the course topics. However, this material is excellently covered in the department’s one credit CPSC 225 Software Tools course. CPSC 225 is designed to introduce students to programming in and using the Unix environment. Adding this course as a prerequisite would remove the need to cover similar material in CPSC 414 and ensure all students enter the class with the same base knowledge.

**TRANSITION PLAN** (describe how will students who are in Catalogs where the course is required for a major be accommodated; attach additional pages if required)

CPSC 414 is required by the Computer Information Systems (CIS) concentration in Computer Science. The CIS concentration has recently been removed. There are still some students under the CIS concentration who may need CPSC 414. For these students, prerequisite waivers will be used. Since the remaining CIS students who haven’t taken CPSC 414 are low, there should not be a need for a large number of waivers.

**Approvals**

<table>
<thead>
<tr>
<th>Department Chair</th>
<th>Date: <em>11/10/2015</em></th>
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<tr>
<td>College Curriculum Chair</td>
<td>Date: 11/18/15</td>
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Expedited course changes are posted for a 10-class day comment period. If no comments are raised during that time, the proposal becomes final. All expedited proposals approved in this way will be noted on the UCC web site. If comments are raised, the proposal may be reviewed.
by the UCC and then approved or it may be returned to the CCC for additional deliberation (as required).